

AppendixA: Effective (Isotropic) Radiated Power Output Data

Test Result(WCDMA)

Band	Type	Channel	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	Voice	9262	22.37	23.27	33.01	PASS
Band2	TestMode	9262	22.48	23.38	33.01	PASS
Band2	TestMode	9400	22.94	23.84	33.01	PASS
Band2	Voice	9400	22.84	23.74	33.01	PASS
Band2	TestMode	9538	22.83	23.73	33.01	PASS
Band2	Voice	9538	22.75	23.65	33.01	PASS
Band4	Voice	1312	22.59	23.39	30.00	PASS
Band4	TestMode	1312	22.53	23.33	30.00	PASS
Band4	Voice	1413	20.95	21.75	30.00	PASS
Band4	TestMode	1413	20.96	21.76	30.00	PASS
Band4	TestMode	1513	22.73	23.53	30.00	PASS
Band4	Voice	1513	22.66	23.46	30.00	PASS
Band5	Voice	4132	22.55	20.9	38.45	PASS
Band5	TestMode	4132	22.52	20.87	38.45	PASS
Band5	TestMode	4183	23.07	21.42	38.45	PASS
Band5	Voice	4183	23.01	21.36	38.45	PASS
Band5	Voice	4233	22.29	20.64	38.45	PASS
Band5	TestMode	4233	22.33	20.68	38.45	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For Band2 & 4)

ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For Band5)

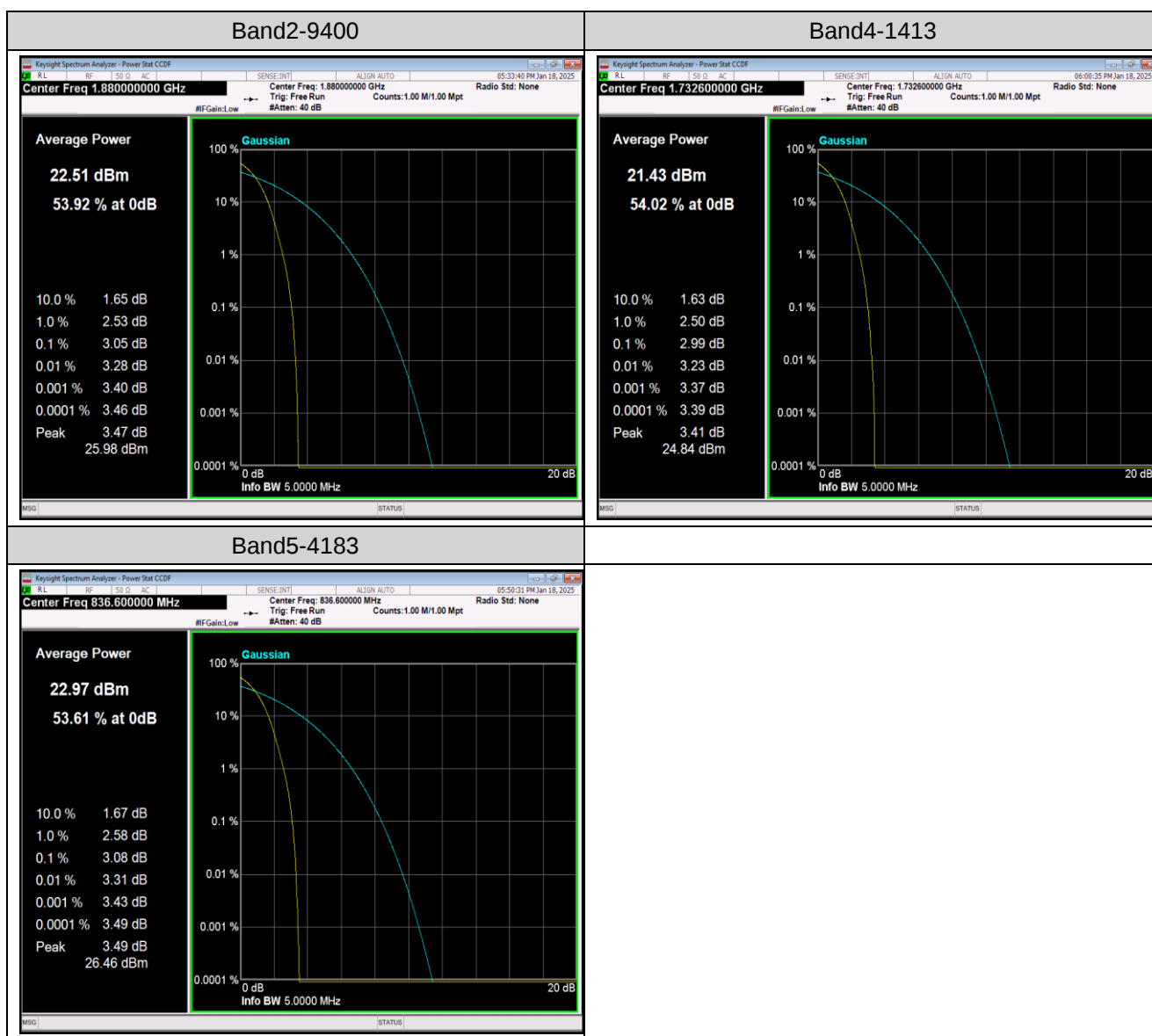
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.05	13	PASS
Band4	1413	2.99	13	PASS
Band5	4183	3.08	13	PASS

Remark: All channel had been tested, but only the worst case data displayed in this report.

Test Graphs(WCDMA)

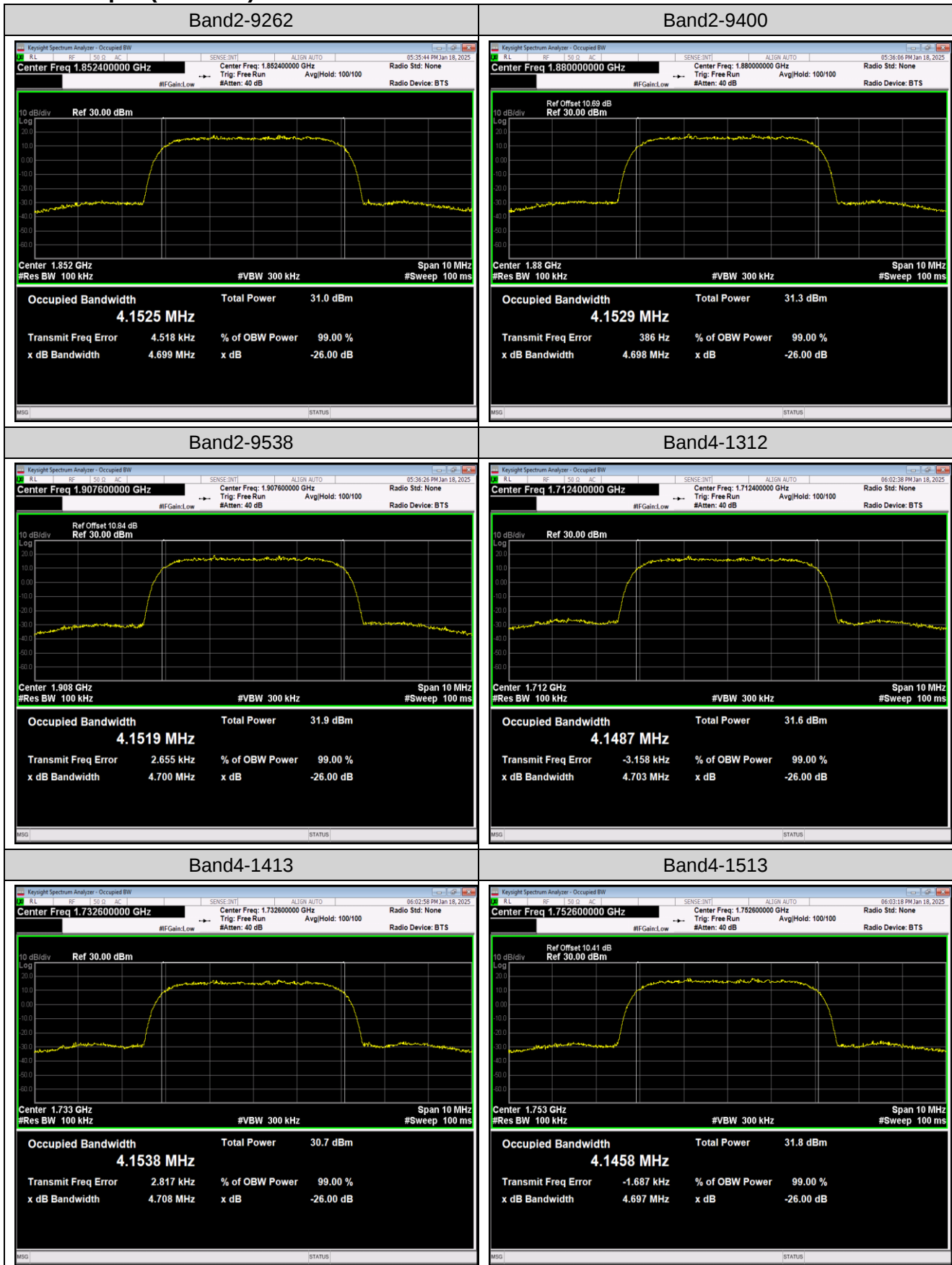


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1525	4.699	---	PASS
Band2	9400	4.1529	4.698	---	PASS
Band2	9538	4.1519	4.700	---	PASS
Band4	1312	4.1487	4.703	---	PASS
Band4	1413	4.1538	4.708	---	PASS
Band4	1513	4.1458	4.697	---	PASS
Band5	4132	4.1459	4.701	---	PASS
Band5	4183	4.1543	4.689	---	PASS
Band5	4233	4.1488	4.694	---	PASS

Test Graphs(WCDMA)



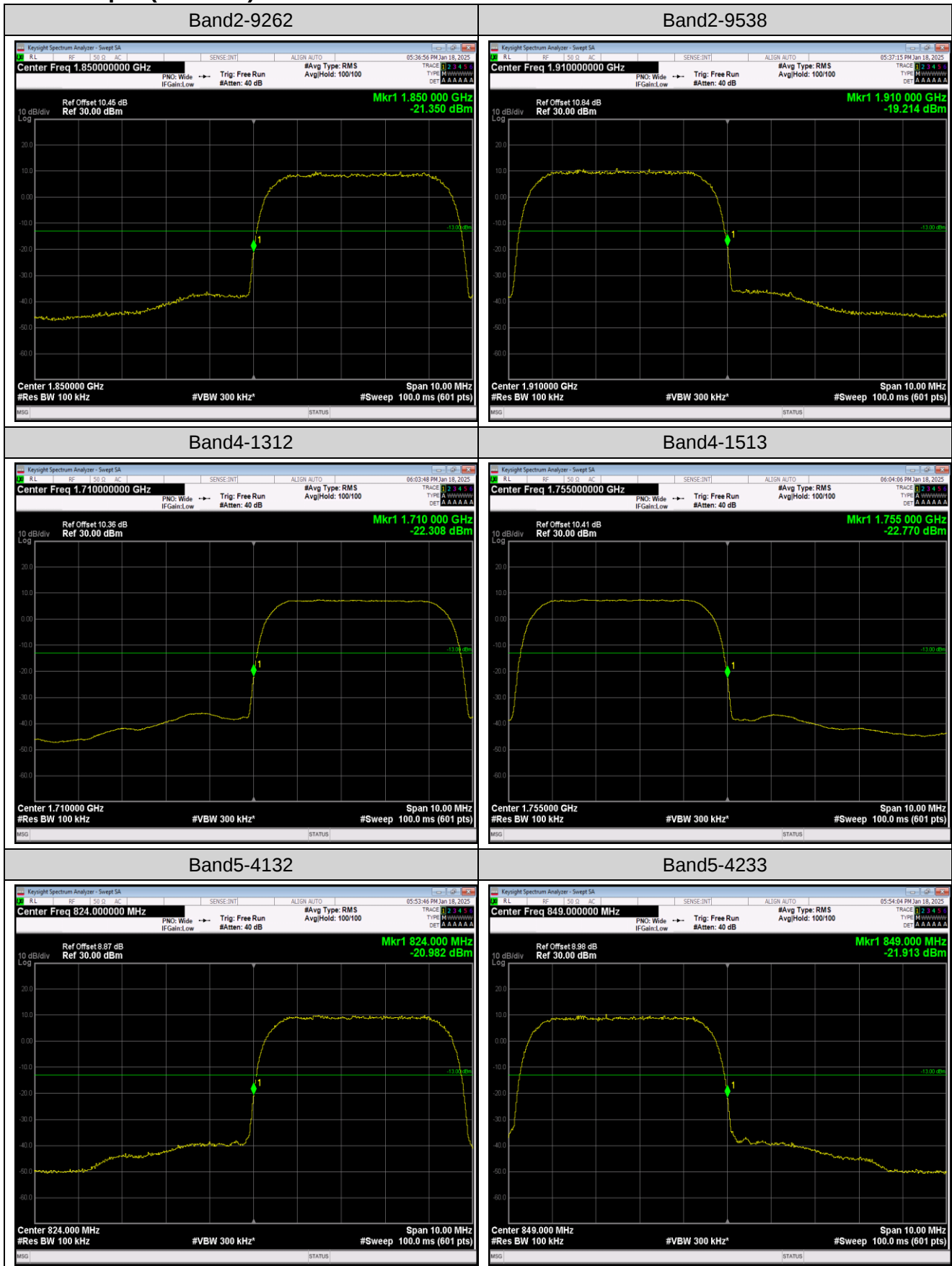


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-21.35	-13	PASS
Band2	9538	1910.00	-19.21	-13	PASS
Band4	1312	1710.00	-22.31	-13	PASS
Band4	1513	1755.00	-22.77	-13	PASS
Band5	4132	824.00	-20.98	-13	PASS
Band5	4233	849.00	-21.91	-13	PASS

Test Graphs(WCDMA)



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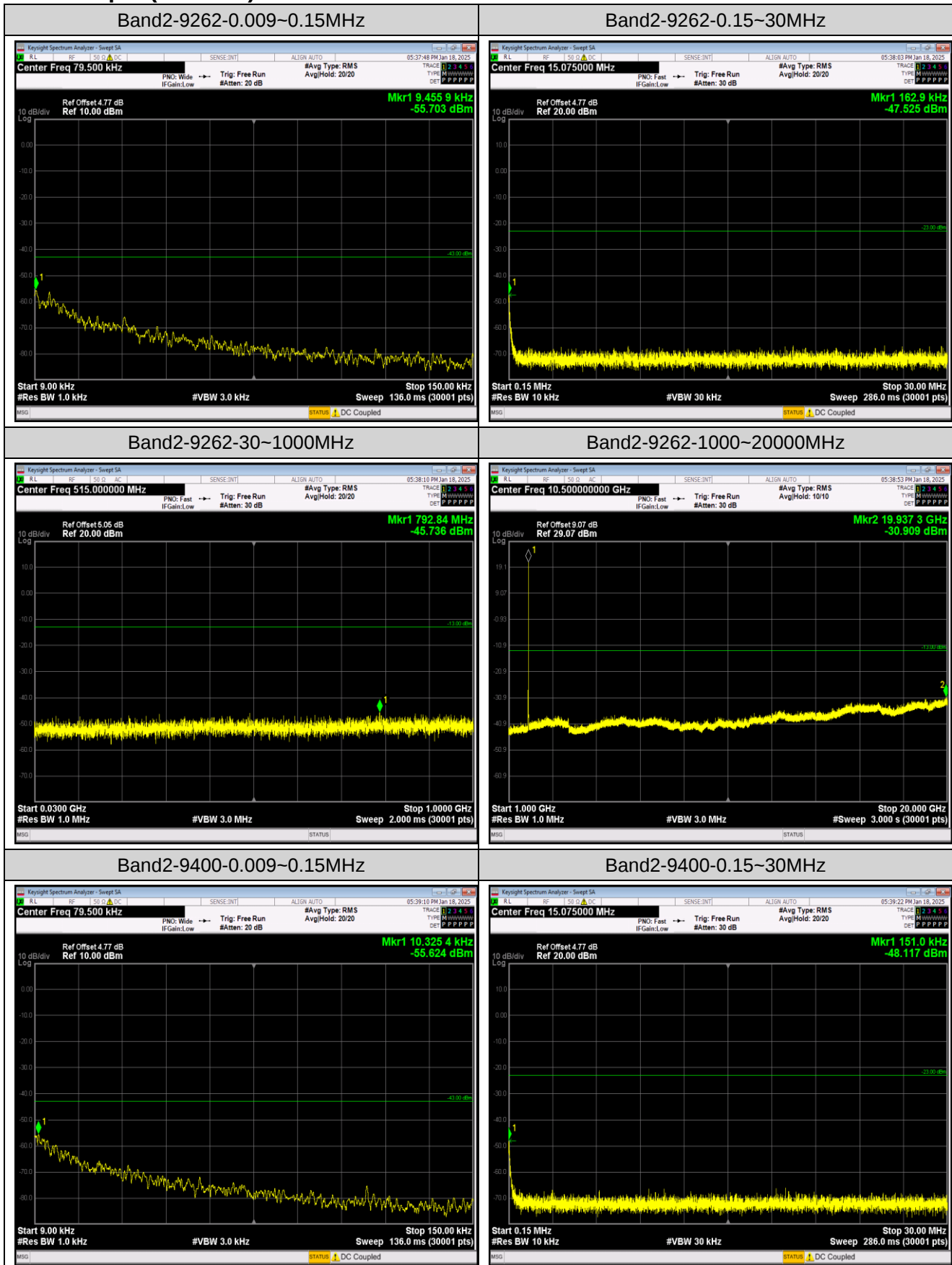
Project No.: JYTSZR2501017

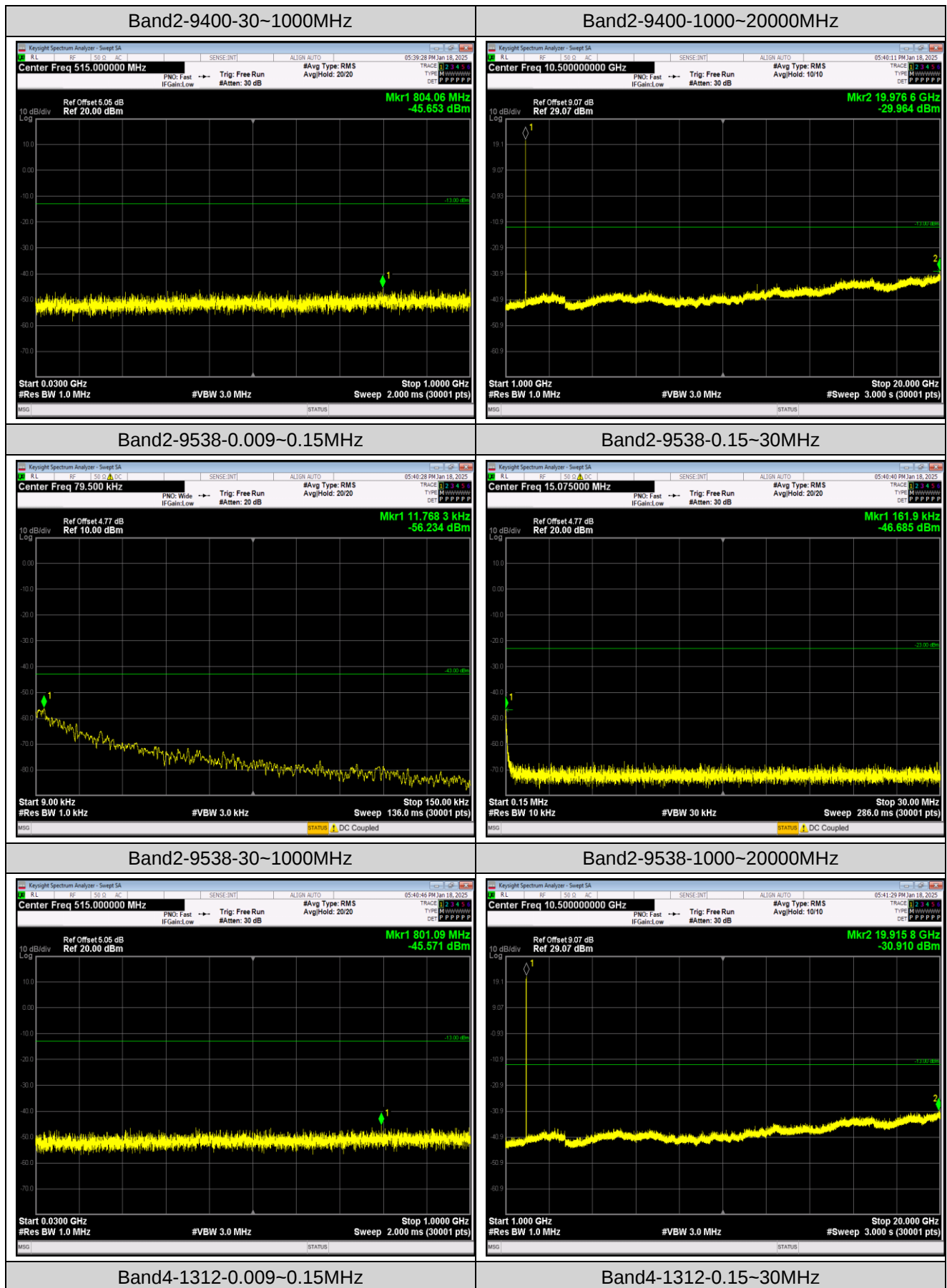
AppendixE:Conducted SpuriousEmission

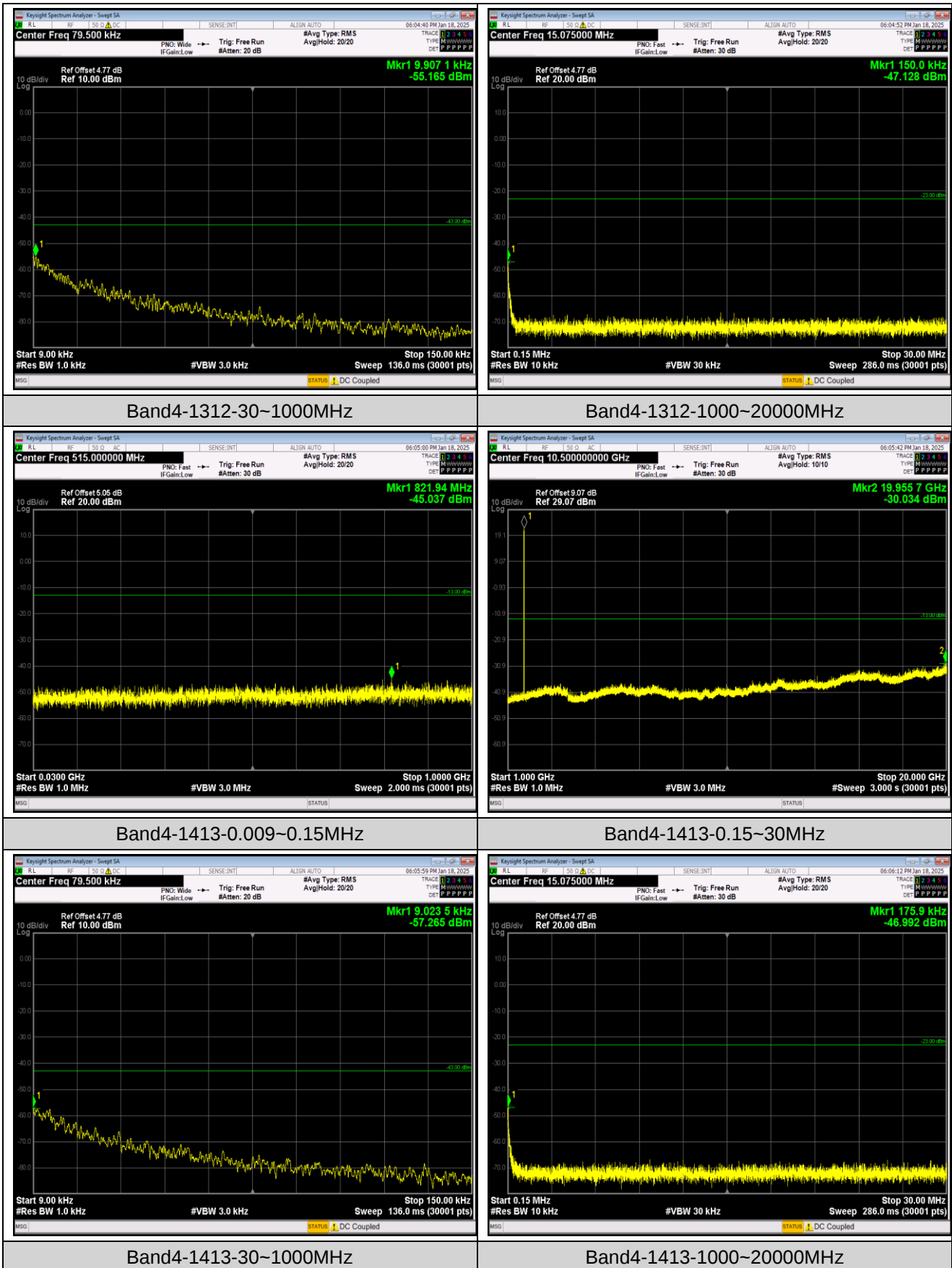
Test Result(WCDMA)

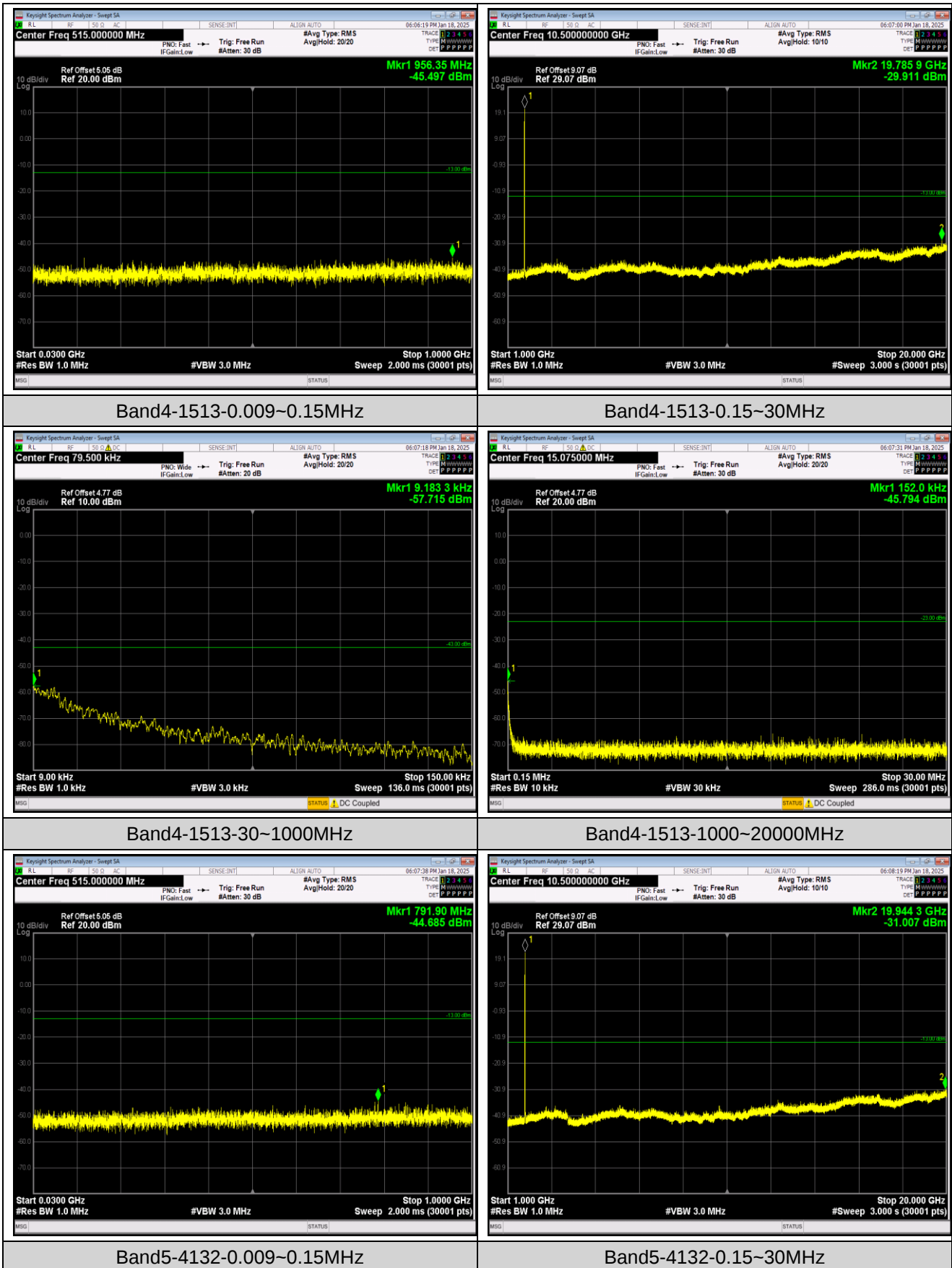
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-55.7	-43	PASS
Band2	9262	0.15~30MHz	0.16	-47.53	-23	PASS
Band2	9262	30~1000MHz	792.84	-45.74	-13	PASS
Band2	9262	1000~20000MHz	19937.3	-30.91	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-55.62	-43	PASS
Band2	9400	0.15~30MHz	0.15	-48.12	-23	PASS
Band2	9400	30~1000MHz	804.06	-45.65	-13	PASS
Band2	9400	1000~20000MHz	19976.57	-29.96	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-56.23	-43	PASS
Band2	9538	0.15~30MHz	0.16	-46.69	-23	PASS
Band2	9538	30~1000MHz	801.09	-45.57	-13	PASS
Band2	9538	1000~20000MHz	19915.77	-30.91	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-55.17	-43	PASS
Band4	1312	0.15~30MHz	0.15	-47.13	-23	PASS
Band4	1312	30~1000MHz	821.94	-45.04	-13	PASS
Band4	1312	1000~20000MHz	19955.67	-30.03	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-57.27	-43	PASS
Band4	1413	0.15~30MHz	0.18	-46.99	-23	PASS
Band4	1413	30~1000MHz	956.35	-45.5	-13	PASS
Band4	1413	1000~20000MHz	19785.93	-29.91	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-57.72	-43	PASS
Band4	1513	0.15~30MHz	0.15	-45.79	-23	PASS
Band4	1513	30~1000MHz	791.9	-44.69	-13	PASS
Band4	1513	1000~20000MHz	19944.27	-31.01	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-57.51	-33	PASS
Band5	4132	0.15~30MHz	0.15	-45.73	-13	PASS
Band5	4132	30~1000MHz	942.58	-54.78	-13	PASS
Band5	4132	1000~10000MHz	5971.6	-37.29	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-55.96	-33	PASS
Band5	4183	0.15~30MHz	0.15	-45.73	-13	PASS
Band5	4183	30~1000MHz	952.99	-54.92	-13	PASS
Band5	4183	1000~10000MHz	5859.1	-37.24	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-54.35	-33	PASS
Band5	4233	0.15~30MHz	0.16	-47.38	-13	PASS
Band5	4233	30~1000MHz	949.24	-54.67	-13	PASS
Band5	4233	1000~10000MHz	5934.1	-37.19	-13	PASS

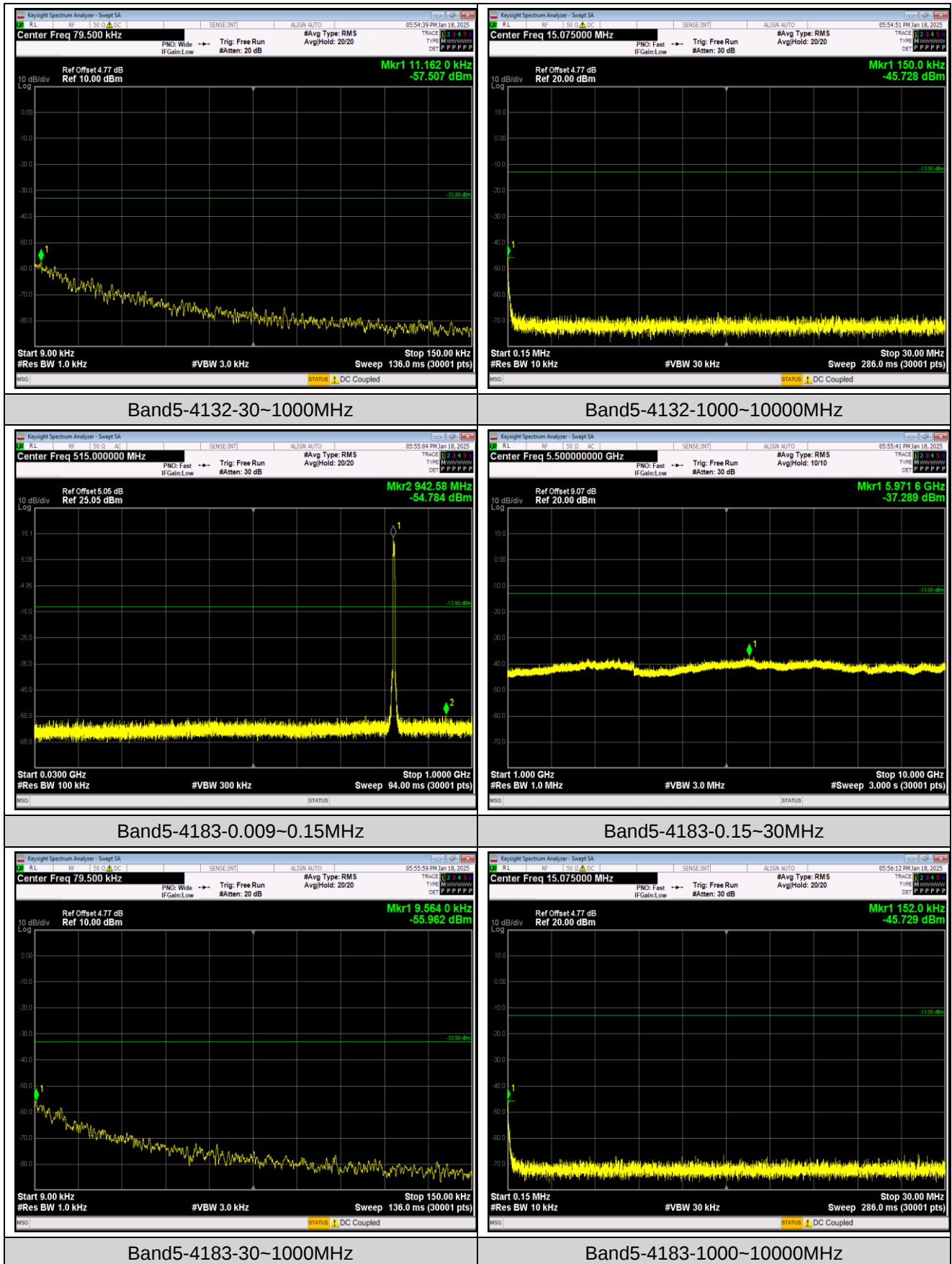
Test Graphs(WCDMA)

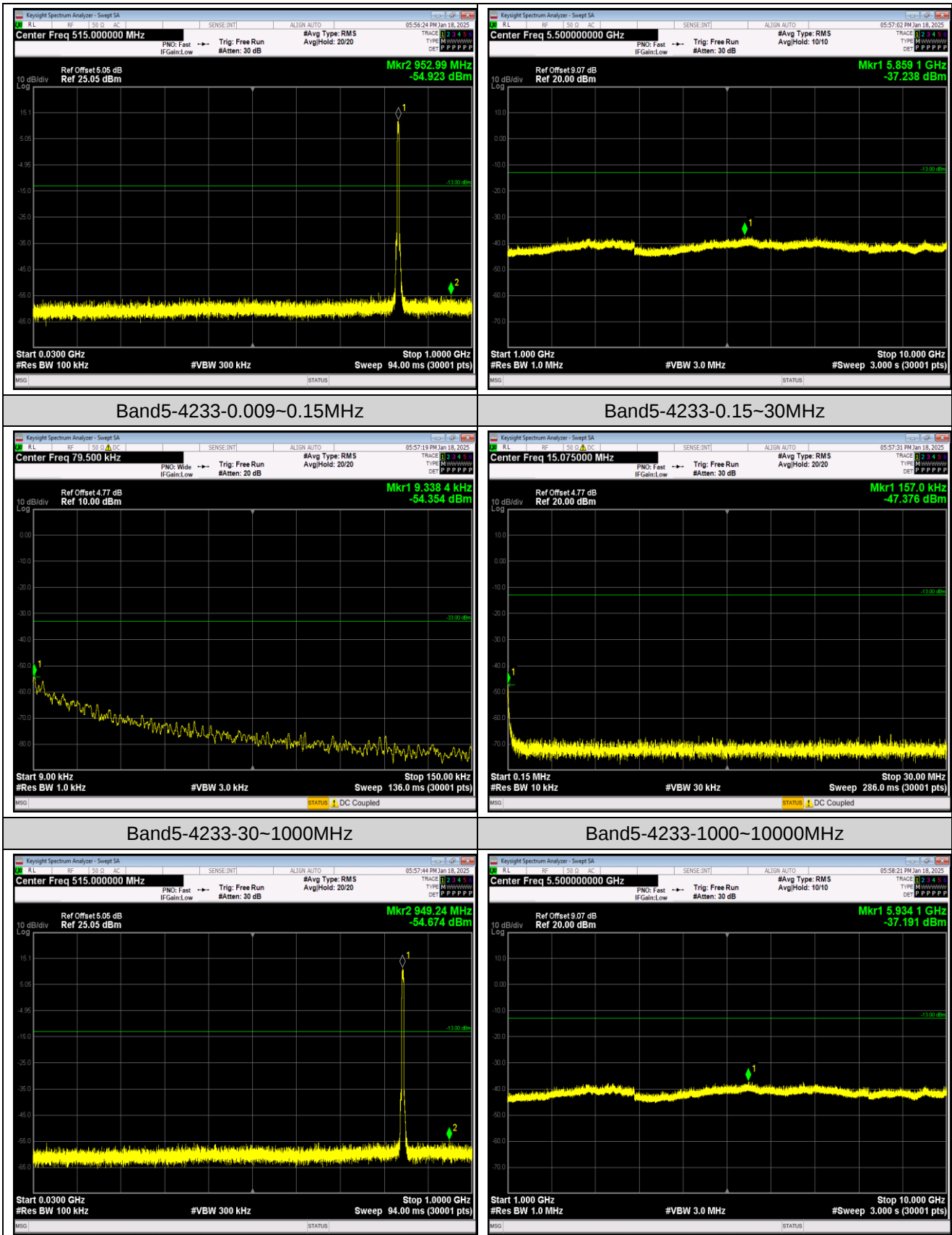












AppendixF:Frequency Stability

Test Result

Reference Frequency: WCDMA BAND V 12.2k RMC Middle channel=4183 Frequency=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	-0.46	-0.000550	±2.5	Pass
	-20	-7.25	-0.008666		
	-10	-1.10	-0.001315		
	0	-2.64	-0.003156		
	10	-1.61	-0.001924		
	20	-2.13	-0.002546		
	30	-4.89	-0.005845		
	40	-1.65	-0.001972		
	50	-0.43	-0.000514		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.40	-4.29	-0.005128	±2.5	Pass
	3.70	0.34	0.000406		
	4.20	-3.95	-0.004721		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

Reference Frequency: WCDMA BAND IV 12.2k RMC Middle Frequency=1413 channel=1732.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	7.25	0.004184	Within authorized band for BAND IV	Pass
	-20	-10.21	-0.005893		
	-10	-7.78	-0.004490		
	0	-3.20	-0.001847		
	10	-4.28	-0.002470		
	20	-8.35	-0.004819		
	30	-4.98	-0.002874		
	40	-0.11	-0.000063		
	50	2.64	0.001524		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.40	-8.45	-0.004877	Within authorized band for BAND IV	Pass
	3.70	-3.45	-0.001991		
	4.20	-0.99	-0.000571		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

Reference Frequency: WCDMA BAND II 12.2k RMC Middle Frequency=9400 channel=1880MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	1.09	0.000580	Within authorized band for BAND II	Pass
	-20	-0.85	-0.000452		
	-10	-8.77	-0.004665		
	0	-6.77	-0.003601		
	10	-0.71	-0.000378		
	20	-7.27	-0.003867		
	30	0.33	0.000176		
	40	-4.26	-0.002266		
	50	-8.93	-0.004750		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.40	-9.03	-0.004803	Within authorized band for BAND II	Pass
	3.70	-5.15	-0.002739		
	4.20	-4.76	-0.002532		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

Appendix G: Modulation Characteristics

Test Result

Band	Channel	Result	Verdict
Band2	9400	PASS	PASS
Band4	1413	PASS	PASS
Band5	4183	PASS	PASS

Remark: All channel had been tested, but only the worst case data displayed in this report.

Test Graphs

